

Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Example.—Find the present value of an annuity of £1 for 5 years, increasing £1 annually, at 5 per cent.

Here
$$a=1$$
, $c=1$, $n=5$, $i=\cdot05$, $P=p+\frac{p(ni+1)-n}{i}$.

(Jones, vol. i.) $p=\underbrace{4\cdot329477}_{1\cdot082369}$

$$5\cdot411846=p(ni+1)=p(1\cdot25)$$

$$n=\underbrace{5\cdot}_{i=\cdot05}\underbrace{)\cdot411846}_{2\cdot26639}$$

$$p=\underbrace{4\cdot32947}_{12\cdot56639}$$
Total present value of the increasing annuity.

To check this result, we find the present value of the whole annuity by summing the present values of each distinct payment; and we have—

Years hence.		Present Value of £1.		mount of	Present Value.
1	=	$\cdot 952381$	×	í1 =	$\cdot 95238$
2	=	$\cdot 907029$	×	2 =	1.81406
3	=	.863838	×	3 =	2.59151
4	=	·822702	×	4 =	3.29081
5	=	·783526	×	5 =	3.91763
Tot	al p	resent value,	as	before=	12,56639

which proves the correctness of the formula obtained.

FOREIGN INTELLIGENCE.

Denmark.—Statistics of the Royal Octroied Fire Insurance Company, at Copenhagen (Kyl Octroierede Assurance Company for Varer og Effecter).—This Company, established on the 11th May, 1778, and remodelled on the 24th May, 1843, has a privilege for insuring goods, furniture, and all moveable property, at Copenhagen, so that neither the formation of another Danish Society nor the agency of a foreign Insurance Company is permitted; nevertheless, some English and German Societies have agents at Copenhagen, and do a large amount of business. A fine of 1,000 rix dollars* (£111 sterling) which must be paid by the insured to the Royal Fire Insurance Company, in case he is found to have insured with another Office, has only the effect that this fine is very often insured with the other property; and no inquiry being allowed about the insurance, except in case of fire, the fine can only then be levied.

The original capital amounted to £66,666 sterling, in 500 shares of £56, wholly paid up; but in 1843 it was provided that the reserved fund accumulated at that period, of £4,444, should be added to the original

^{* 9} Rix dollars = £1.

capital, thus raising it to £111,111, and the value of each share to £92.10s. Since that time, a new reserved fund of £22,920 has been accumulated.

The interest paid to the shareholders is 4 per cent., which originally was paid only on £66,666; but since 1843, on £111,111.

A review of the Society's business is annexed.

	BUSINESS	EXPRESS	ED IN PO	UNDS STER	LING.		PROPORT	TIONAL I	REVIEW.	
Year.	Sums insured.	Amount of Premiums.	Claims Paid.	Dividend, including Interest.	Dividend, including Interest, each Share.	Average Premium per Cent. on Sums insured.	Claims per Cent. on Sums insured.	Claims per Cent. on Pre- miums.	Dividend, including Interest per Cent. on Sums insured.	Dividend including Interest per Cent. on Pre- miums.
	£	£	£	£	£					
1815	1.694.444	9,006	301	5,333	44	0.53	00.018	3.3	0.31	59
1816	2,000,000	13,096	1,348	9,333	7 7 9	0.66	0.067	10.2	0.47	71
1817	1,925,925	14,459	281	10,666	88	0.74	0.014	1.9	0.55	74
1818	1,814,814	12,933	1,696	9,333	7 7	0.71	0.093	13.1	0.52	72
1819	1,222,222	7,995	4,773	9,333	7 7	0.65	0.391	59.7	0.76	116
1820	1,111,111	7,149	248	9,333	7 7 9	0.64	0.022	3.4	0.84	131
1821	944,444	5,974	32	8,933	74	0.63	0.003	0.5	0.95	150
1822	888,888	5,448	0	8,266	68	0.61	0.000	0.0	0.93	152
1823	833,333	5,269	0	8,266	68	0.63	0.000	0.0	0.99	157
1824	750,000	5,208	12	9,333	7.7	0.69	0.001	0.2	1.24	179
1825	861,111	5,029	172	8,933	78	0.58	0.020	3.2	1.04	179
1826	1,000,000	5,798	567	9,066	7 &	0.58	0.057	9.7	0.91	156
1827	1,000,000	5,734	527	8,933	74	0.57	0.053	9.2	0.89	156
1828	1,055,555	5,944	658	8,800	7+	0.26	0.062	1.1	0.83	148
1829	1,055,555	6,005	165	8,800	71/8	0.57	0.016	2.8	0.83	147
1830	1,111,111	5,718	310	8,800	7 1/8	0.21	0.028	5.5	0.79	154
1831	1,148,148	5,374	918	8,133	67	0.47	0.083	17.1	0.70	151
1832	1,222,222	5,506	23	8,800	7 8	0.45	0.002	0.4	0.72	160
1833	1,305,555	5,860	361	9,066	75000000000000000000000000000000000000	0.45	0.028	6.2	0.69	155
1834	1,277,777	5,681	123	9,066	75	0.44	0.009	2.1	0.71	160
1835	1,333,333	5,876	378	9,066	78	0.44	0.028	6.4	0.68	155
1836	1,355,555	6,128	956	9,066	78	0.45	0.071	15.6	0.67	148
1837	1,622,222	7,316	3,456	9,066	75	0.45	0.213	47.2	0.56	124
1838	1,555,555	7,148	271	9,066	759 759 759	0.46	0.017	3.8	0.58	127
1839	1,740,740	7,361	4,391	9,066	79	0.42	0.252	59.7	0.52	123
1840	1,638,888	6,975	1,144	9,066	72	0.43	0.070	16.4	0.55	130
1841	1,666,666	6,645	306 126	9,066	75	0.40	0.018	4.6	0.54	136
1842	2,148,148	6,774		10,400	818	0.32	0.016	1.2	0.48	154
1843	2,250,000	7,191 8,231	1,414	6,000	5-	0.32	0.063	19.7	0.26	83
1844 1845	2,444,444 2,666,666	8,709	1,707	8,000 8, 5 33	6 1	0.34	0.690 0.064	205.0	0.33	97
1846	2,833,333	9,261	4,738	8,000	7 62	0·33 0·32	0.167	19·6 51·2	0.32	98 86
1847	3,000,000	9,201	2,981	8,533	$6\frac{2}{8}$	0.33	0.099	30.1	0.28	86 86
1848	2,972,222	9,863	1,628	8,000	7년 6월	0.33	0.055	16.5	0.28	80 81
1849	3,027,777	9,926	7.714	5,333	44	0.33	0.255	77.7	0.17	44
1850	3,259,259	10,535	7,188	5,866	48	0.33	0.221	68.2	0.18	56
1851	3,333,333	11,101	6,991	8,000	6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	0.33	0.210	63.0	0.18	72
1852	3,555,555	11,775	3,161	9,066	75	0.33	0.089	26.7	0.25	77
Total .	66,625,911	293,900	77,939	325,719	2714 2714	0.44	0.117	26.6	0.49	111

The expenses of management have been £1,111 to £1,333 per year; thus varying from 10 to 25 per cent. of the amount of premiums—a rather high proportion.

Examining this table, it is obvious that the average premium, which

rose in 1817 to 0.74 per cent., has fallen since then every year. Since the year 1825, the competition has regularly increased, and there seems to be a remarkable connection between average premium and sum insured. As long as the premiums of this Company have remained higher than those of foreign Companies acting in Copenhagen, the sum insured remains small, and diminishes from year to year. Even a reduction of premiums, which in their reduced state still exceed those of other Companies, does not cause a change. But when in 1825 the average premium is reduced from 0.69 to 0.58 per cent., the sum insured begins to rise, and regularly rises while the average premium falls; and in 1842, when a considerable reduction of the average premium took place, the sum insured increased more than in any other year.

The claims paid differ from 0.0 to 0.69 per cent. of sums insured, and only once exceed the amount of premiums in 1844, the year of their maximum.

The dividends paid are very considerable, and exceed the amount of premiums by nearly £33,333. Thus the interest taken would have been sufficient not only for all claims and expenditure of management, but also for the accumulation of a reserved fund of £100,000, which gives an average income of £5,555 per year.

The interest to the shareholders is fixed at 4 per cent., giving till 1843 £2 $\frac{2}{3}$ per share, and since then, £4 $\frac{4}{9}$ per share. Since 1815, this amounts to £91 $\frac{1}{3}$ per share. The shareholders have received £271 $\frac{4}{9}$, which produces an actual profit of £180; or, if we consider the augmentation of interest in 1843 as a profit, and the increased value of shares now really amounting to £111, each share of £66 $\frac{2}{3}$ has gained since 1815, besides the interest of 4 per cent., £242 $\frac{1}{3}$, or 363 per cent.—making £6 $\frac{1}{2}$, or 9 $\frac{1}{2}$ per cent., each year.

GERMANY.—Gotha Mutual Life Assurance Bank.—Extract from the report for 1853.

1.—Assurances.		
Proposals:—	Persons.	Amount.
Proposals made in the course of 1853 Standing over from 1852	1,804 44	£368,128* 11,186
	1,848	£379,314
The accepted of these proposals were—		
Persons. Amount.		
Of persons who were not yet assured 1,324 £268,471		
Of persons who were already assured		•
assureu 200 05,220	1,557	£307,700
Refused or reduced by the Society	235	55,871
Withdrawn, not completed, or reduced by the parties	18	7,786
Standing over for consideration at the end of the year	38	7,957
	1,848	£379,314
Amount of assurances:—		
At the beginning of the year	17,715	£4,004,057
New assurances during the year	1,324	307,700
In force during the year	19,039	4,311,757
7 Thalers = £1.		

Foreign Intelligence.

Brought forward	Persons. 19,039	Amount. £4,311,757
By surrender, running off, &c. 213 59,829	612	152,443
In force at the end of the year	18,427 with £155,2	4,159,314 257.
Classes of assurances:—		
W Hole like	Sums assured.	Yearly premium.
Payable at death, or on attaining the 90th year of age 18,023 Payable at death, or at any younger	£4,063,842	£142,225
age than the 90th year 150	34,743	2,048
18,173 Survivorships	4,098,585 11,000 49,729	144,273 339 989
18,427	£4,159,314	£145,601
According to the sex of assured— Males	Persons. 17,256 1,171 18,427	Sums assured. £3,928,400 230,914 £4,159,314

According to the ages of the assured and the amount of assurances:-

				Am	ount of	Assura	nces.					
Age.	£281,—£1421.	£157—£285.	£300—£428.	£443—£570.	£586—£714.	£728—£857.	£871—£1,000.	£1,014—£1,143.	£1,157—£1,286.	£1,300—£1,429.	1	'OTAL.
				N	umber o	of Person	ns.				Persons.	Sums Assured.
19—20 21—25 26—30 31—35 36—40 41—45 46—50 51—55 56—60 61—65 66—70 71—75 76—84	7 70 442 1,118 1,546 1,878 1,944 1,690 1,225 763 421 179 92	 11 107 300 438 594 684 659 480 281 161 73 27	1 16 102 149 217 207 220 169 99 60 19	1 12 55 82 87 136 138 92 85 46 11	1 13 49 68 86 76 84 54 54 21	 1 7 19 30 39 57 49 34 37 20 9		 1 10 19 20 32 16 12 12		2 22 28 33 33 29 23 16 2	7 85 599 1,670 2,357 2,962 3,164 2,919 2,104 1,357 751 311 141	£. 629 11,471 101,686 348,014 507,457 652,171 709,228 698,571 491,729 348,072 178,843 75,900 26,543
Total	11,375 persons, £1,169,800.	3,815 persons, £938,357.	1,269 persons, £513,057.	755 persons, £420,500.	518 persons, £365,929.	302 persons, £257,571.	58 persons, £57,043.	129 persons, £146,357.	18 persons, £22,200.	188 persons, £268,500.	18,427	4,159,314

The average age of the assured was, at the beginning of the year, 48 years 2 months; and at the end of the year, 48 years 3 months. The average amount of the sum assured on each life was at the beginning of the year £226, and at the end £225. 14s. 3d.

Deaths:—

Age.	Assured in the course of 1853.	Should die, according to the Tables used.	Died.	Plus	Minus.	Mortality per cent.
15—25 26—30 31—35 36—40 41—45 46—50 51—55 56—60 61—65 66—70 71—75 76—84	100 636 1,702 2,417 3,018 3,245 3,012 2,179 1,423 809 338 160	0.65 5.24 16.97 27.24 36.92 49.59 59.60 55.59 46.67 36.34 24.25 23.01	51 11 20 35 50 55 60 63 54 27 19	0.41 0.41 16:33 17:66 2:75	0.65 0.24 5.97 7.24 1.92 4.60 4.01	0.79 0.65 0.83 1.16 1.54 1.83 2.75 4.43 6.67 7.99 11.87

Of the 399 persons, on whose life the total sum of £92,614 was assured, only 389 (for £90,229) were entitled to full payment. assured (for £1,671), who had died by suicide, left to their representatives no claim to the sum assured, but only to a return out of reserved fund. This return was, in four cases of suicide which were "non compos mentis," the full value of the policies; in the other two cases of intentional suicide, the usual purchase price. Two others (assured for £571), who had shortened their lives by intoxication, left only a similar claim. A third case of the same sort (£100) is still under examination. In another case (the first of the kind since the establishment of the Society), the claim (£43) was forfeited because the assured died by capital punishment, for having murdered his wife. The amount paid to his representatives was only the usual purchase price of the policy.

The proportion of deaths was 361 males and 38 females. In the course of 1853, 17,813 males and 1,226 females being assured, the rate of mortality of the former was 2.03 per cent., of the latter 3.10 per cent. The mean age of the males and of the females was about the same; the latter

showed, as usual, a much higher mortality than the former.

An accurate table in the appendix of the report shows, in the case of every death, the age of the assured at the date of the assurance, the age at his death, and the cause of the death. There died 60 by apoplexy, 54 by consumption (phthisis), 46 by nervous fever, 31 by dropsy, 22 by marasmus senilis, 15 by cholera Asiatica, 6 by suicide, &c.

II.—Casi	h acc	coun	t for	the	year	18	53.		
Dr.			•		•				£.
Invested capital at the end of	of 18	52							986,619
Amount of new premiums for									10,375
" renewal premiun			3.						136,424
" premiums paid in	n adv	ance							6
,, commuted premiu	ums a	ind e	ktra p	remi	ums				1,036
Interest on loans									39,062
Dividends unclaimed .									220
Profit from agio on money, e	existi	ng bo	nds, l	oills	of exch	ang	e, &c.		164
House rent, deducting all ch	arges		• ′			•	•		94
Extra receipts for deposits, &									530
,								_	
					Total		•	£1	,174,530
Cr.									£.
	040								æ. 86
Paid 1 claim for the year 1	851	•	•	•	•	•	•	•	186
"	852	•	•	•	•	•	•	•	14,528
		•	•	•	•	•	•	•	
	853	•	,•	•	•	•	•	•	75,228
" 3 claims fallen due in				<i>,</i> • .		•	•	•	1,214
Dividends to the assured for					due)	٠	•	•	603
Dividends to the assured for	the	year .	1848	•	•	•	•	•	28,610
For policies purchased .		•	•	•	• ′	•	•	•	2,760
Agents' commission .	•	•	•	,•	•	•	•	•	3,268
Expenses of management	•	•	•	•	•	•	•		4,129
Extraordinary expenses					•	•	•	•	139
Invested capital at the end of	of 188	53			•	•		. 1	,043,779
								-	
					Total			£	,174,530
					Total		•	£	,174,530
III <i>— Ral</i>	lance	-sho	et for	r th				£	,174,530
III.—Bal	lance	-she	et for	r th			353.	£	
Dr.	lance	-she	et for	r th		18	353.	£1	£.
Dr. 68 claims unsettled .			et for	r the		18	353.	£	£. 15,814
Dr. 68 claims unsettled Unclaimed dividends for year			et for	r the		18	353. :	£	£. 15,814 499
Dr. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash	ar 18	48	•		e year : :		•		£. 15,814
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all	ar 18	48 ing p	oolicie	· · s at	e year the 31s	: st D	Dec., 188	:	£. 15,814 499
Dr. 68 claims unsettled Unclaimed dividends for yes Deposits received in cash Reserve, or the value of all without any regard to the	ar 18	48 ing p	oolicie	· · s at	e year the 31s	: st D	Dec., 188	:	£. 15,814 499 4,861
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to the since this date	exist	48 ing p	olicie	s at	e year : the 31s	st D	ec., 185	; ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	£. 15,814 499
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums	exist	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D	ec., 185	; ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	£. 15,814 499 4,861 776,905
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies	exist	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D	ec., 185	; ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	£. 15,814 499 4,861
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund)—	exist	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D rem	ec., 185 iums pa	.3, .id .st	£. 15,814 499 4,861 776,905
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52	exist	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D rem	ec., 185 iums pa r the 31	.; .; .; .; .; .;	£. 15,814 499 4,861 776,905
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund)—	exist	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D rem	ec., 185 iums pa	.; .; .; .; .; .;	£. 15,814 499 4,861 776,905 69,804
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D rem	ec., 185 iums pa r the 31	.; .; .; .; .; .;	£. 15,814 499 4,861 776,905
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	ec., 185 iums pa r the 31	33, id st	£. 15,814 499 4,861 776,905 69,804
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	e year : the 31s	st D rem	ec., 185 iums pa r the 31	33, id st	£. 15,814 499 4,861 776,905 69,804
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr.	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .,043,779 £.
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund)— Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .,043,779 £. 8,593
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 ,043,779 £. 8,593 961,244
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date. Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages Advances on policies	exist exist ne proin a in a n über	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .043,779 £. 8,593 961,244 35,594
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to the since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages Advances on policies Interest due	exist ae proint an aiben	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .043,779 £. 8,593 961,244 35,544 9,876
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages Advances on policies Interest due Value of the Society's house	exist ae prin a an aiben	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .,043,779 £. 8,593 961,244 35,594 9,876 4,787
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages Advances on policies Interest due Value of the Society's house Balances due by agents	exist ae prin a an aiben	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .,043,779 £. 8,593 961,244 35,594 9,876 4,787 13,268
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages Advances on policies Interest due Value of the Society's house	exist ae prin a an aiben	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77	33, id st	£. 15,814 499 4,861 776,905 69,804 175,896 .,043,779 £. 8,593 961,244 35,594 9,876 4,787
Or. 68 claims unsettled Unclaimed dividends for yea Deposits received in cash Reserve, or the value of all without any regard to th since this date Gross amount of premiums December, 1853 (Prämies Surplus (guarantee fund) Surplus of 1849-52 Surplus of 1853 Cr. Cash in hand Mortgages Advances on policies Interest due Value of the Society's house Balances due by agents	exist ae prin a an aiben	48 ing p emiur	olicie ns or	s at par	the 31s ts of p	st D rem	£136,77		£. 15,814 499 4,861 776,905 69,804 175,896 .,043,779 £. 8,593 961,244 35,594 9,876 4,787 13,268

In order to show that the above-mentioned reserve covers the risk, the following extract from the tables of reserve, computed on the list of mortality at 3 per cent., is published.

of ice.	RESERVE FOR A WHOLE LIFE POLICY OF 100 AFTER YEARS.													
Age of entrance.	5.	10.	15.	20.	25.	30.	35.	40.	45.	50.	55.	60.	65.	70.
21 26 31 36 41 46 51	5,311 5,995 6,984 8,762 10,230	10,988 12,560 15,133 18,096 20,786	17,204 20,220 23,816 27,727 31,907	24,457 28,384 32,774 37,873 43,890	28,212 32,187 36,804 42,211 48,807 56,651 65,435	45,675 52,382 60,449 68,972	43,135 48,560 55,237 63,211 71,692 78,654 84,557	51,117 57,614 65,417 73,669 80,525 86,137 100,000	67,253 75,248 81,885 87,353 100,000	100,000	88,942 100,000	89,530 100,000	100,000	100,000
56 61	14,041	29,167	45,276	60,828	73,053	82,498 100,000								

It is by this table that the reserve made in the annual balance-sheets, as well as the purchase price of surrendered policies, and the advances on policies, have been computed ever since the establishment of the Society, and will continue to be computed, until the experience of the Society requires an alteration of the table of mortality in use.

The guarantee fund comprises, according to the former balance-sheets—

The residue of		prus		•	•	•	•	•	16,557
The surplus of	1850				•				30,389
,,	1851						•		46,819
"	1852								43,021
99	1853								39,110

In the course of 1854 the surplus of 1849-50 is divided among the assured who have paid premiums in 1849. It consists of—

The residue of surplus of 1849				•	. •	£. 16,557
Part of the surplus of 1850, corresponding to 1849, which are due in 1850 (£59,167)	the	prem •	iums •	paid	in •	14,505
	Т	otal			-	£31,062

The premiums for whole life assurances and survivorships paid in 1849 being £124,250, the surplus of £31,062 gives a dividend of 25 per cent. This dividend is made in the course of 1854—on all existing policies, by way of reduction of premiums; and on all policies cancelled by death or surrender, by payment in cash on bonds, which are issued at the extinction of the policies.

The investments on loans and mortgages are-

```
£.
882,789 first mortgages on land, of at least double the value.
26,996 ", house property, of at least double the value, and insured against fire.
20,665 in bonds of public Loan Societies, based on land securities.
14,815 in bonds of public corporations, whose management is under the control of the Government.
15,979 on mortgage of stocks.
```

^{£961,244 .} Total.

Hamburg.—Janus	Life	c	ınd 2	Annui	ty	Insure	ance	Company.	Balance
sheet for the year 1853.		т	.	c. T					
D 1 1 1 1000			$-L_{ij}$	fe Ins	urc	ance.		0110000	
Proposals made in 1853	, 81	4	•	•	•	•	•	£118,258*	
" accepted, 661	:		٠.	1000	•	•	•	87,831	
Cancelled, died, surrende	ered	, č	c., in	1853	•	•	٠	31,589	
Increase in 1853 .								56,242	
Policies in force 31st De	cem	be	r, 185	i3—		ersons.			
On single lives .					3	,238		£418,679	
" joint lives .		•	•	•		132	•	13,076	
					3	,370		£431,755	
Premiums								£14,920	
Interest			•	•	•	•	•	842	
Brought forward from 18	B52		·		•		:	15,181	
			·	•	•	•	•		£30,943
39 claims, exclusive of a	£ 600) r	eassui	red			_	5,049	
Dividend for the year 1			•					523	
For reassurance and poli		Dι	ırchas	ed		-	·	589	
Commission		•						814	
Expenses of managemen	t .							1,830	
Stamps, and loss by exc								109	
	•	,				-	-		8,914
Balance carried forwa	rd								£22,029
paramet carried for wa	ıu .			;	٠,٠	•	•	•	224,023
				Anni	utı	es.			
A 1 to 1059		F	erson	S.				61.00	
Accepted in 1853 .		•	12	•	٠	•	•	£103	
Died		•	2	•	٠	•	•	28	
			10						
W	1		10					75	
Which have been deferr	ea	•	1	•	•	•	•	6	
			11					£81	
T. 4. 1. 1.1									
Deferred annuities .		•	10	•		•	•	£148	
Cancelled, died, &c		•	7	•	٠	•	•	102	
			3					£46	
In force, 31st December	. 18	53	-					240	
Annuities	,		62			_		£648	
Deferred annuities .			51	•	•	•	•	729	
		_		•	•	•	•		
Persons		. :	113					£1,377	
Receipt of purchase-mon	ev			_				£1,086	
" premiums .	-5		-	•	•	•	•	255	
" interest .			•					193	
Balance of 1852.								5,633	
						-	·		£7,167
Annuities paid								595	,
Dividend of 1850 .			•		•	•	•	$\begin{array}{c} 333 \\ 27 \end{array}$	
Agents' commission .			•		•	•	•	51	
Expenses of managemen	t.	,			:	•	•	155	
Loss by exchange .				•	•	•		9	
Policies purchased .						•		35	
•				-	-	-	•		872
Balance to be brought	OV	r	_						£6,295
The dividend granted to			nrod ·	- for 195	: 1 :	. 10	•		±0,290
and to the shareholders £1.	7s.	6d	. per	share.	,1]	is 10 þ	er ce	m. or the ne	et premiums,
			91 D.			01			

^{* 131} Banco marcs = £1.

Balance-sheet of the Hamburg Fire Assurance Company of 1843 for the Year 1853.

Premiums— For the assurances in force, New assurances .	31 De	ec., 18	52, vi		,729,0 ,247,5		£. 7,567 9,581	
Deducted for brokerage, con Expired before 31 Dec., 1		ion,&c			,976,4 ,285,8		17,148	•
In force 1 January, 1854 Premiums for this amou			orwar		,690,8	376	7,793	;
Net premiums							£9,355	· ;
Interest	:	:	:	:	£4,5	297 000		
Surplus of interest .	•	•	•	•	•	•	1,297	£10,652
For claims paid							1,348	
Expenses of management.			•	•	•		798	
Expenses of printing, &c		•	•	•	•	•	102	
Commission of dividend, gra	tuities	, &c.	•	•	•	•	304	
								2,552
Net profit								£8,100
To be divided, 50 per cent.								£4,050
To be reserved							4,050	
Reserved fund, 31 Dec., 185	2 .	·					33,600)
							37,650	
Capital 2,000 shares, £37. 1	0s., w	holly	paid t	ıp.	•	•	75,000)
D :		C7	709				£112,650	-)

Premiums reserved for current risks, £7,793

Assicurazioni Generali in Trieste.—Extract from the Report and Balance-sheet for the Year 1853.—The claims paid in the year 1853 amount to £131,300* sterling, published by the papers. The business of that year left nevertheless a net profit of £21,723, after augmenting the fund of reserved premiums by £23,024. From the net profit of £21,723, £6,369 have been added to the fund of reserved profits, and £15,354 are to be divided among the shareholders.

The total amount of the reserved fund now amounts to £459,433, viz., £403,589 for reserved premiums, £55,844 for reserved profits. The reserved premiums include £134,822 for the liability to pay £15,711 annuities; and £30,882 for the liability to pay for deferred life assurances, viz., sums, £75,937—annuities, £581. These deferred assurances yield a yearly income in premiums of £1,604.

The profit realized in this year is consequent on the great number of risks assured, of their distribution in different branches, and of the amount secured by frequent reassurances, but not on the increase of the premiums. The divisible profit of £9,369 of the Balance-sheet (A) scarcely exceeds 4 per cent. of the premiums received in this branch. A reduction of the premium of $\frac{1}{8}$ per mille only at an average per year would even have caused a loss; for the assurances effected in 1853, although only stated to

^{* 131} Banco marcs = £1.

^{+ 12} Florins = £1.

be £36,000,000, would exceed the sum of £66,000,000, if the sums assured for more than one year were comprised in each year separately, as is done by other Societies.

In the course of 22 years from the commencement of the Society the claims have been £1,276,900; and the amount paid in 1853 exceeds that of six of the earlier years.

With respect to life assurance, those circumstances fatal to the development of this branch in the Austrian empire enumerated in our report of last year still exist; but it is to be hoped that the settlement of financial matters, the cessation of the dearth, and the consequent improvement in the moral and social condition of the population, will induce the public to avail themselves of life assurance on a larger scale than before, as it is in England, France, and the northern parts of Germany.

In the Tontine branch the sums deposited in the first three months of 1854 exceed those of the whole year 1853; the status was, on the 1st July—Tontine ending 31 December, 1862—1,183 subscriptions, in 2,606 shares, for the sum of £28,403, of which £7,547 is paid up. Tontine ending 31 December, 1870—524 subscriptions, in 1,612 shares, for the sum of £13,869, of which £2,025 is paid up.

The directors express a desire for the increase of assurances of this description, and their wish to popularize them in Austria.

(A) Balance-sheet for 1853 (exclusive of Life Assurance).

Brought from 18 For premiums of fir ,, claims unsettle ,, reassurance of Premiums in 1853 Interest for this bra	re insurance d . current risks for sums ass	ured	(£36	,083,9	: : : : : : : : : :		:	£. 146,295 7,500 12,375 211,123 4,782	£.
For 4 576 alaims m	.:.							104 656	382,075
For 4,576 claims po		Dintor	•	•	•	•	• •	104,656	
Brokerage, agents'c Expenses of manage	ommission, i	tistoi	no pre	mium	or rea	ıssura	nce	7,000	
Interest to shareho		•	•	•	•	•	•	2,000	
To be carried for		•	•	•	•	•	•	2,000	
For premiums of fir								161,433	
Claims unsettled	c mourance		•	•	•	•	•	8,333	
Reassurance of curr	rent risks	•	•	•	•	•	•	13,333	
	CHU TISKS	•	•	•	•	•	•		365,752
	Profit								£16,323
To the directors and	d auditors, l	18 pe	r cent	•	•	•		•	2,939
	Net profit								£13,384
To be reserved, 30	per cent.	•	•	•	•	•		•	4,015
To be divided					•			•	£9,369
	Rese	rved	Fund	of Pa	rofits.				£.
Balance 31 Decemb	per, 1852		_			_	_	_	33,058
Brought from 1853				:			•	•	4,015
Interest .				•	•	•	•	•	645
	Balance, 3	l De	cembe	r, 18 <i>5</i>	53				£37,718

Balance-sheet	of Li	fe As	sura	inces	in	1853	P	aya	ble at I	Death.
Brought forward fo Interest Assurance premium				657;	innui	: ties, d	210,40		£. 62,434 2,497 29,049	00.000
Claims, commission Carried forward for				nses •	•	•	:	. #	219,798 70,197	93,980 89,995
To the directors an	Profit d audi		8 pe	r cent		:	:	:	:	£3,985 717
To be reserved	Net I	rofit •	:		:	:	:	:	•	£3,268 980
To be divided					•				•	£2,288
Balance, 31 Decem Brought forward, 1			nd of	Reser :	ved I	Profits •	•		•	. 10,067 . 980
	Balar	ice, 31	De	cembe	r, 18	53				£11,047
Balan	ce-she	et of	An	nuiti	es te	rmin	ated	in	1853.	
Class 1. For £1,280 in						1852	-3, pa	y-	£.	
ments were " 2. For £157 in ments were " 3. For £354 in fa	favour made,	of per includ	rsons ing i	who nteres	died t				16,281 1,761	
payments w	ere ma	de, inc	ludir	ng int	erest	•	•	•	3,209	£. 21,251
Annuities paid to		?? ?:	•	2	} }	•	:	:	11,145 1,908 3,563	21,201
Reserved fund for Class 3, according	annuing to t	ties to he tab	be les	paid •	to th	e me	nbers •	of •	2,206	18,824
To be reserved	Net	profit •	•			:	:	:	:	2,429 729
To be divided	•	• P		· Dana		Profits	•	•	•	£1,700 £.
Dolomos 21 Docum	nhon 1		ıa of	1tese1	vea 1	rojus	•			£. 5,704
Balance, 31 Decer Brought forward,		•	:	:	:	:	:	:	•	729
	Bala	nce, 3	l De	cembe	r, 18	53		•		£6,433

Jamaica.—Extract from the Report of the Directors of the Jamaica Mutual Life Assurance Society, to 30th April, 1854.—The directors have to submit to the members of the Society their report on the business of the Institution for the year ending on the 4th January last, as also for the further period to the 30th April, with its exact position at each of such dates; it having been considered more convenient, and more acceptable to the members, to take in, by adjournment of the usual annual general meeting in the month of March, the further period required to complete the first ten years' operations of the Society, which commenced its career on the 1st May, 1844; and the more so, as their report in respect to the appropriation of the cash bonus, recently declared, could have been only of a

very incomplete character had the supplemental account been made up, as on former occasions, only to the 25th January preceding.

In respect to such bonus—amounting, after deduction of certain policies discontinued in the interim, to £8,312. 4s. 3d. as a payment in hand—it will be in the recollection of the members, that a free option was given to each participant between the three different forms of a money payment, an equivalent reduction of the future premiums, and a reversionary bonus; in the event of the first, an order for a moiety embodying interest at 3 per cent. being given on the Island Treasury, and payable on the 25th July next. And the directors have now to report that the sum of £8,312. 4s. 3d. in question, under the option given, has been discharged as follows:—

	£.	s.	d.	
By cash payments (as above stated) amounting to	5,284	12	6	
By reduction of future premiums	363	3	11	
By additions to policies, and supplemental policies, amounting	•			
to £4,711. 18s. 3d.; their present value	2,664	8	10	
•				
	£8,312	4	3	í

while the sum of £17,717. 9s. 1d., previously standing on the books of the Society as "gross surplus on the 4th January, 1852," has been disposed of in the following manner:—

							£.	8.	d.	
4th	Janu	ary,	1852				5,219	2	3	
		•					4,186	2	7	
		•	•		•		8,312	4	3	
							17717			
				 		 		tth January, 1852 5,219	tth January, 1852 5,219 2	

the last item having been closed in the books of the Society; and, under the modification of the new premium scale (diminished below, and increased above, the age of 45), a further sum of £402. 5s. 2d., arising on the excess of payments since the 4th January, 1852, has also been returned to the members, with the exception of £38. 12s. 11d., to be available to them in reduction of premiums falling due in July next.

The entire settlement has been effected, it will be seen, with but little inroad on the vested capital, under the eventual mode of liquidation; while it is satisfactory to state, that the premiums and semi-annual interest due in July, amounting to £3,000, will prevent any further encroachment on the fund in the Island Treasury, in reference to the obligations of the Society presently becoming due.

In the business of the Institution between the meeting in September last and the promulgation of the Government Actuary's report, but little addition was made to the assurances of the Society, although during such half year the directors have only one further death to notice, involving a call of £500, to be provided for in July; but subsequently to the receipt of the report in question, the directors have to announce an important accession to the business of the Society, by the acceptance of 22 proposals, duly carried out, involving assurances to the extent of £10,450; while 4 proposals, amounting to £1,250, have been declined; and 5, involving assurances for £2,600, are under consideration—the existing assurances of the Society, including the recent additions to policies and free policies granted, amounting, on the 30th April last, to £100,282. 1s. 9d., and the income of the

Society, on premiums alone, to £5,300 per annum, while only one term policy for £500 has been discontinued; and as regards the mortality over the last six months, the directors have only to notice one death, involving a call of £379, and falling due in October next.

a can or Lorg,								,		~ =	,		
Staten	nent of	Acco	unts	(N_0)	າ. 1)	on 4	th J	'anuar	y, 1	85	4.		
Dr.	•			•							£.	s.	d.
Outstanding claims	due or i	not du									1,574		4
Receipts towards c				rw or		.•	•	•	•	•	218		ō
Gross surplus, 185		LIEVE	BIOHA	ı y aı	muni	, .	•	•	•	•	46	4	ŏ
A course of processing	o .			•	•		. 4. 41		•	•	4,698	7	ŏ
Assurance premium		eaucu	ոց ա	ose a	pperu	ammy	to ti	ie ensui	ng ye	ar			
Interest on investr		•	•	•	•	•	•	•	•	•	1,528	l	11
Assurance premiun	18, 1854	•	•	•	•	•	•	•	•	•	275	.8	2
Interest account	• .	•		•	•	•	•	•	•	•	14		3
Gross surplus arisin	ng on the	year	1852	_				. •	•		4,383	17	2
Gross surplus arisis													
and which form								nd subs	eque	nt			
reference of the	whole to	the C	loveri	men	t Act	uary	•	•			17,717	9	l
										£	30,457	5	11
a .											c	_	d.
Cr.		.1 0.									£.	s.	
Island Treasury, d			oth Ju	ily la	st	•	•	•	•	•	25,500	0	0
Interest thereon, s			•	•	•	•	•	•	•	٠	676		.5
Drafts on Island T				erest	•	•	•	•	•	٠	458		11
Loans upon policie	S	d	itto			•					501	13	5
Colonial Bank .									•		95	1	0
Office furniture											86	7	0
Policies emerged											2,300	0	0
Grant to the secre	tary by s		l mee	ting							315	0	0
Law expenses on											11	8	0
Current expenses			z.—	•	-	-	-	-					
Rent		,						£20	0	0			
Office servant .	•	•	•	•	•	•	•		12	ŏ			
Secretary and a	eeeuntan	٠.	•	•	•	•	•	275	0	Ö			
			•	•	•	•	•		16	0			
Medical fees an			•	•	•	•	•			-			
Advertising and			,: ,	•	•	•	•		16	0			
Stationery, stan				rseme	ents	•	•	31	0	2			
Colonial Bank-	-Bank c	ommis	sion	•	٠	•	•	20	0	0			
								400		_			
								430	4	2			
Fees to director		•	•	•	•	•	•	67	4	0			
" auditors		•	•	•	•	•	•	15	0	0		_	_
											512	8	2
											200 / 5-		
										đ	£30,457	5	11
								_					
State	ment of	Acc	ounts	s (A	o. 2) on	4th	Janua:	ry,	18	54.		
D.,											£.		ı
Dr.	a (of mh	ich e	t nn a	i-	T.,3-	- nor-					1,619	<i>s.</i>	d. 8
Outstanding claim						пехі	, .	•	•	•			
Receipts on contin			-	nnuit	y	•	•	•	•	٠	218		
Premium account,		•	•	•	•	•	•	•	•	•	275		
Interest ditto, 18		•			•	•	•	•	•	•		11	
Gross surplus aris		ie yea	r 185	2.	•	•	•	•	•	•	4,226		
Ditto ditto, 1853		•	•	•	•	•	• '	•			3,246	4	5
Gross surplus to	the 4th	Janua	ary, l	852,	app	ropriat	ted a	s follov	V8	say			
£17,717. 9s. 1	d. To v	a lue o	f poli	cies f	for th	e who	le ter	m of li	fe, as	of			
the 4th Januar	y, 1852,	amou	nting	to £	80, 15	60;							
Say, then prese							. 4	£42,735	14	6	;		
Ditto ditto of f								•					
off 5 per cen							•	37,516	12	3			
	f policie										5,219	2	3
					-		-						
Ca	rried for	ward							•		14,820) 2	2 11
											, , -		

Brough To assurance guara	nt for	ward fund	for o	ne th		f £1:		6s. 1	0d., o		£. 14,820		<i>d</i> . 11
and above the va	lue o	f the	polici	es	•	•		£4,16	6 2	3			
Add on policies sin	ce an	anao	nea	•	•	•	•	2	0 0	4	4,186	2	7
To dividend surplu less than one full										not •	8,312	4	3
										£	27,318	9	9
Cr.											£.	<i>s</i> .	d.
Island Treasury											25,500	0	0
Interest accrued											676	18	5
Drafts on Island Trea	sury										458	9	11
Loans upon policies											501	13	5
Colonial Bank .											95	1	0
Office furniture .	•	•	•		•	•	•	•		•	86	7	0
										a	£27,318	9	9

Contracts—say, assurances pending 4th January, 1854, 167 in number, on 147 lives, amounting to £87,000, £1,800 of which for terms; and a contract for a contingent reversionary annuity of £200.

Contin	uation	Accor	unt, i	to th	e 30	th An	oril.	18	54.			
Dr.			,				•			£.	s.	d.
Outstanding claims, of	which £	2500 d	ue in	July	and,	£379	. 16	s. 5d.	in			
October next					· .					1,038	2	0
Receipt towards conting	gent reve	rsionar	y ann	uity						248	16	0
Cheques remaining to	be gra	nted 1	to clo	se t	he di	vidend	l su	rplus	of			
£8,312. 4s. 3d., as o	f 4th Jar	nuary, l	1852,	or u	nprese	nted				305	7	9
Bills on Island Treas	ury, pay	able 2	5th Ĵ	uly	next,	being	the	amo	unt			
granted in such form	in part o	of the r	reced	ing						2,047	4	7
Assurance premiums, 1	854 to da	ate -								3,147	14	5
Interest on investments					•					485	2	10
Assurance premiums p	aid in	1852 a	nd l	853-	-say	£402.	. 5s.	2d.,	less			
returned £363. 12s.	3d., leav	ing reti	urnab	le in	July	٠.				38	12	11
Fund for the discharge	e of futu	re pre	mium	s, in	whole	or in	par	t, in	the			
case of single premiu	ms, or di	minutio	on of	previ	ous ar	nual p	orem	iums		2,690	17	6
Gross surplus arising	on the f	irst tw	o yea	irs (1852	and I	853) of	the	•		
triennium ending on	the 4th	Januar	y nex	t						7,070	6	5
Value of policies as of									pre-	•		
sent value of the Soc						anuary	, 18	55)	•	5,219	2	3
Guarantee fund in resp	ect of th	e prece	ding-	-say	•	•				4,186	2	7
									:			
									£	26,477	9	3
Cr.										£.	s.	d.
Island Treasury										24,500	0	0
Three months' interest	accrued	to 25th	1 Apri	1						382	10	0
Drafts upon same										415	14	0
Loans upon policies, be										292	9	6
Colonial Bank, at call										134	2	6
Outstanding premium										10	10	2
Purchase of policies										58	5	8
Office furniture .										86	7	0
Charge upon premiums	see per	contra								379	16	5
Directors' fees .										21	10	6
Current expenses		•								196	3	6
									e	26,477	9	 3
									Ž.	40,411	9	ð

Contracts of assurance pending 30th April, 1854, 202 in number, on 158 lives, amounting to £100,282. 1s. 9d.; and further, a contract for a contingent reversionary annuity of £200.

Mortality Experience—1st May, 1844, to 4th January, 1854 (in round numbers, 10 years).

Years.	Lives.	Deaths.	Assurances.	Calls.
			£.	£.
1844	50	1	30,959	500
1845	79	0	50,750	,,
1846	124	1	80,800	1,000
1847	141	1	86,500	1,000
1848	134	2	71,250	1,500
1849	117	1	70,700	500
1850	126	7	78,010	5,100
1851	137	2	85,460	1,100
1852	151	1	89,160	1,000
1853	154	4	91,060	2,300
	1,213a	20 ^b	£734,640°	£14,000
	Average 1	Mortality,	Average Calls	, 1.91 per ce

(c) Average risk per capita, as computed, £606.
(d) Attributable to Asiatic cholera, £5,100; or more than five fourteenths of the whole.

Average aggregate annual calls, £1,400; average annual calls per capita, as experienced, £700.

The deaths occurring in 1,213 observations as above—the lives averaging the age of 40—should have been

According to the table of the Society $(1,213 \times 04) \dots 48$
,, Northampton Table ($\times 02$) 24
Against deaths actually experienced
But the average calls per capita, as experienced, having been £700, in lieu
of £606 as computed, we have, on the one hand, 24 calls by the North-
ampton Table, as computed at £606£14,544
And, on the other, 20 calls averaging £700 as experienced 14,000
7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Leaving, on such a comparison, a difference of 4 lives in

The calls in the preceding table appear in each year in which the deaths respectively occurred, without reference to the maturity of the money payments. The lives, with little variation, have been treated as having been on risk from the commencement of the several years, although some entered only during such years respectively; but the difference arising on a more rigid adjustment would be unimportant.

favour of the Society, and of money value

As strongly contrasted with the very limited mortality experienced by the Society over the first decade of its career, under the age of 50, its experience so far, at the more advanced ages, evinces the utter inadequacy of the corresponding premiums as diminished by Mr. Woolhouse in 1849, and only recently augmented. It should also be observed that, as in the mother country (as noticed by Mr. Milne), the larger average risks have attached to the higher ages, although these last have been numerically few: thus, on the 30th April, 1854, only 9 lives appear on the register above the age of 55, but averaging £756, and only 4 above that of 60, but averaging £825; the average risk over the entire number of 158 lives then under assurance

⁽a) Average age, about 40 years.(b) Attributable to Asiatic cholera, 7—in 1850-51; or seven twentieths of the whole.

being £635, and their combined ages presenting an average or mean age of 41.70. The minimum and the maximum risk existing on any one life are respectively £100 and £1,324, any recent enhancement included; the highest risk undertaken, according to the regulations of the Society, being £1,600.

The ages at death, and the disorders, of the 20 deceased members, were as follow:—

Diseases.	Deaths.	Ages.
Dysentery Gout and other causes Decline Organic disease in the intestines Suffocation following on the rupture of a blood vessel Apoplexy Asiatic cholera Fever of the country Disease of the heart Paralysis After the amputation of a limb, consequent on a fall from a gig.	$\begin{matrix} 7 \\ 2 \\ 1 \end{matrix}$	27, 34 50 38 48 55, 37 45 38, 41, 43, 48, 51, 58, 59 37, 53 44 62 47

And here the question naturally presents itself—What would probably have been the mortality before us but for the exceptional feature of Asiatic cholera, unknown in the island of Jamaica until the autumn of 1850; admitting, as applied to the seven decrements it produced, that disease, to a certain extent, might have developed itself in some other form, and possibly also in other subjects, if not in the corresponding year, in the two or three years (1851 to 1853) which immediately succeeded? To such a question we should be disposed to answer—from a personal knowledge of the individuals themselves, and with due regard to other circumstances which would legitimately enter into the consideration—that four out of the seven decrements so occasioned might reasonably be deducted on such a score from the 20 deaths experienced on the whole; leaving attributable to ordinary causes of death, on such an assumption, 16 in $(1213+4\times3)$ 1225; or 1.31 per cent., against 1.30 per cent., which, as of the age of 40, the Carlisle Table would have presented.

While the results here given, considered under any aspect of the case, furnish no reliable criterion for the government of the future, looking at the limited time and numbers involved, and evidence merely the important difference between acclimated and unacclimated lives, and the large value of selection in the infancy of a Society and in a community in which health and longevity so greatly depend on the habits and occupation, temperament and disposition, of the individual; it must, nevertheless, be conceded, that no such results, however considered, could have been anticipated ten years ago, as those which were to characterize the experience of a Society in the island of Jamaica over the first ten years of its career.

With respect to the treatment here of Asiatic cholera, as exceptional, and as a feature per se—as irreferable to any law of mortality thus far known, as setting all anticipatory computation at defiance, and as a disease

altogether *sui generis*—in no country can it be treated otherwise. Over the last three years (and embracing one death from cholera), it will be seen that the mortality has been $\frac{7}{442} = 1.58$ per cent.; over the last six months the mortality having been 1 in 159.

CORRESPONDENCE.

SUGGESTIONS FOR A BETTER MEANS OF MAKING PROVISION FOR THE WIVES AND FAMILIES OF PERSONS ENGAGED IN THE BUSINESS OF LIFE ASSURANCE.

To the Editor of the Assurance Magazine.

SIR,—As the accredited organ of the assurance interest, I feel sure that you will open the pages of your *Magazine*, and also lend the aid of your own pen, to call the attention of the directors of Assurance Companies to a question of no mean importance to those in their employment. I refer to the question of allowing to those engaged in the business of life assurance the same advantage as is enjoyed, I believe, by persons engaged in all kinds of trades—I mean, that of obtaining the article dealt in by their employers at the cost price.

My attention has been more particularly called to this subject lately (though it has always been one the equity of which I have never questioned, and one which I have thought a good deal about) by reading the last report of the National Provincial Bank of England, the Twenty-first

Annual Report, and from which I extract the following:—

"It will be in the recollection of the proprietors that, on the occasion of their last annual meeting, it was intimated that a strong desire had been expressed among the officers of the Company for the formation of a Provident Society for their mutual benefit—embracing also, if possible, the principle of a guarantee fund. The precise nature of the scheme it was then left for the directors to consider and determine. At the outset of their deliberations the directors found that the guarantee scheme was objected to by a large number of the officers, and it was therefore abandoned.

"The other objects aimed at are—First, a provision for the widows and children of officers at their death; and, secondly, a superannuation allow-

ance for the officers themselves.

"To effect the first and most pressing of these objects, the directors recommended to the proprietors that the officers and clerks should be assisted in effecting insurances upon their lives to the following extent, by the Bank paying for them one half of the yearly premium—viz.:

"1st. Managers of branches and agencies to insure for not less than

£500 and not more than £1,000.

"2nd. Junior officers and clerks to take out policies for sums not under

£250 and not exceeding £500.

"With respect to the question as to a superannuation allowance, the directors intend to postpone the consideration of it, in the hope that at a future period they will be able to deal with it in a more satisfactory manner than they could do at the present moment.